

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 07/26/2017 10:26 AM
Cytometer Baseline: 07/17/2017 11:48 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124396	-1	1.24	124284	1.22
Blue	F	SSC	125000	123830	-1	2.70	124171	2.45
Blue	E	FITC	23795	23068	-4	2.56	1024	10.52
Blue	D	PE	29673	29061	-3	1.98	1044	10.13
Blue	B	PerCP-Cy5-5	48943	47956	-3	3.27	1380	17.18
Blue	A	PE-Cy7	44112	43708	-1	5.05	682	36.20
Red	C	APC	54273	53485	-2	2.64	3096	9.36
Red	A	APC-Cy7	54945	54138	-2	2.75	1138	11.60
Violet	B	V450	15756	14985	-5	3.39	717	8.72
Violet	A	V500	62569	60622	-4	3.16	2682	6.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19555	2.87	609	-5	N/A	N/A	Pass
Blue	F	SSC	61512	1.51	543	-3	N/A	N/A	Pass
Blue	E	FITC	115	39.20	547	-3	0.0197	136	Pass
Blue	D	PE	228	29.14	544	-2	0.1429	198	Pass
Blue	B	PerCP-Cy5-5	216	45.20	635	-4	0.0096	77	Pass
Blue	A	PE-Cy7	75	119.65	693	-6	0.0113	14	Pass
Red	C	APC	363	26.91	599	-1	0.0204	33	Pass
Red	A	APC-Cy7	124	41.18	578	-6	0.0049	1346	Pass
Violet	B	V450	87	40.03	470	-2	0.0442	1535	Pass
Violet	A	V500	196	21.27	498	-1	0.0147	130	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 07/26/2017 10:26 AM
Cytometer Baseline: 07/17/2017 11:48 AM
P/F: Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.11	-31.38	0.88
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	17.79	13.27 - 19.91	N/A	N/A	31.31	31.97	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11097

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments